

1 WHAT IS CLAIMED IS:

1. A method for operating a digital radio broadcast station comprising:

a. digitally storing in a common digital database, of a computer system, a plurality of at least several hundred different selections of music which is to be played and broadcast by the radio station;

b. programming the computer system with a sequence of music selections to be played by the radio station; and

c. retrieving from the common digital database and broadcasting over the radio station the programmed sequence of music selections.

2. A method for operating a digital radio broadcast station as claimed in claim 1, further comprising providing a main computer system for operating the radio station, and also providing a backup computer system for operating the radio station in the event of a failure of the main computer system.

3. A method for operating a digital radio broadcast station as claimed in claim 2, further including providing a plurality of work station consoles for use by personnel responsible for operating the radio station.

4. A method for operating a digital radio broadcast station as claimed in claim 3, wherein said step of digitally storing includes the step of digitally storing the plurality of at least several hundred different selections of music in a disk array.

5. A method for operating a digital radio broadcast station as claimed in claim 4, wherein the

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1 step of digitally storing includes storing the
selections of music in a dual port RAID disk array.

6. A method for operating a digital radio
broadcast station as claimed in claim 5, further
5 comprising providing a bridged network for connecting
the radio station to a further digital database for
music selections not stored in the common digital
database.

7. A method for operating a digital radio
10 broadcast station as claimed in claim 6, further
comprising providing a connection from the computer
system to a telephone network, and wherein radio station
callers communicate with the radio station by a touch
tone telephone.

15 8. A method for operating a digital radio
broadcast station as claimed in claim 7, further
comprising providing a connection from the computer
system to an interactive cable television network, and
wherein cable television viewers communicate with the
20 radio station over the interactive cable television
network.

9. A method for operating a digital radio
broadcast station as claimed in claim 1, further
including providing a plurality of work station consoles
25 for use by personnel responsible for operating the radio
station.

10. A method for operating a digital radio
broadcast station as claimed in claim 1, wherein said
step of digitally storing includes the step of digitally
30 storing the plurality of at least several hundred
different selections of music in a disk array.

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1 11. A method for operating a digital radio
broadcast station as claimed in claim 10, wherein the
step of digitally storing includes storing the
selections of music in a dual port RAID disk array.

5 12. A method for operating a digital radio
broadcast station as claimed in claim 1, further
comprising providing a bridged network for connecting
the radio station to a further digital database for
music selections not stored in the common digital
10 database.

13. A method for operating a digital radio
broadcast station as claimed in claim 1, further
comprising providing a connection from the computer
system to a telephone network, and wherein radio station
15 callers communicate with the radio station by a touch
tone telephone.

14. A method for operating a digital radio
broadcast station as claimed in claim 1, further
comprising providing a connection from the computer
20 system to an interactive cable television network, and
wherein cable television viewers communicate with the
radio station over the interactive cable television
network.

15. A digital radio broadcast station
25 comprising:

a. a common digital database having stored
therein a plurality of at least several hundred
different selections of music to be played and broadcast
by the digital radio broadcast station; and

30 b. a processor system for programming the
digital radio broadcast station with a sequence of music

1 selections to be retrieved from the common digital
database and played over the digital radio broadcast
station.

5 16. A digital radio broadcast station as
claimed in claim 15, wherein the processor system
includes a main computer system for operating the radio
station, and also a backup computer system for operating
the radio station in the event of a failure of the main
computer system.

10 17. A digital radio broadcast station as
claimed in claim 16, further comprising a plurality of
work station consoles for use by personnel responsible
for operating the radio station.

15 18. A digital radio broadcast station as
claimed in claim 17, wherein said common digital
database comprises a disk array storage.

19. A digital radio broadcast station as
claimed in claim 18, wherein said disk array storage
comprises a dual port RAID disk array.

20 20. A digital radio broadcast station as
claimed in claim 19, further comprising a bridged
network for connecting the radio station to a further
digital database for music selections not stored in the
common digital database.

25 21. A digital radio broadcast station as
claimed in claim 20, further comprising a connection
from the processor system to a telephone network, and
wherein radio station callers communicate with the radio
station by a touch tone telephone.

30 22. A digital radio broadcast station as
claimed in claim 21, further comprising a connection

1 from the processor system to an interactive cable
television network, and wherein cable television viewers
communicate with the radio station over the interactive
cable television network.

5 23. A digital radio broadcast station as
claimed in claim 22, wherein the processor system
includes first and second disk drive controllers.

 24. A digital radio broadcast station as
claimed in claim 23, wherein the processor system
10 comprises an IBM RS/6000 system based upon reduced
instruction set computing architecture, and includes an
AIX operating system.

 25. A digital radio broadcast station as
claimed in claim 15, further comprising a plurality of
15 work station consoles for use by personnel responsible
for operating the radio station.

 26. A digital radio broadcast station as
claimed in claim 15, wherein said common digital
database comprises a disk array storage.

20 27. A digital radio broadcast station as
claimed in claim 26, wherein said disk array storage
comprises a dual port RAID disk array.

 28. A digital radio broadcast station as
claimed in claim 15, further comprising a bridged
25 network for connecting the radio station to a further
digital database for music selections not stored in the
common digital database.

 29. A digital radio broadcast station as
claimed in claim 15, further comprising a connection
30 from the processor system to a telephone network, and

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1 wherein radio station callers communicate with the radio station by a touch tone telephone.

30. A digital radio broadcast station as claimed in claim 15, further comprising a connection 5 from the processor system to an interactive cable television network, and wherein cable television viewers communicate with the radio station over the interactive cable television network.

31. A digital radio broadcast station as 10 claimed in claim 15, wherein the processor system includes first and second disk drive controllers.

32. A digital radio broadcast station as claimed in claim 15, wherein the processor system comprises an IBM RS/6000 system based upon reduced 15 instruction set computing architecture, and includes an AIX operating system.

33. A method for operating an audio on demand network comprising:

a. digitally storing in a common digital 20 database, of a computer system, a plurality of at least several hundred different selections of music;

b. providing a communications network to users, wherein a user communicates with the computer system over the communications network to indicate a 25 choice of one or more music selections; and

c. retrieving from the common digital database and transmitting over the communications network to the user the choice of one or more music selections.

30 34. A method for operating an audio on demand network as claimed in claim 33, wherein said step of

1 providing a communications network comprises providing a
connection from the computer system to a telephone
network, and wherein a user communicates with the
computer system by a touch tone telephone to indicate a
5 choice of one or more music selections, and the one or
more music selections are transmitted over the telephone
network to the caller.

35. A method for operating an audio on demand
network as claimed in claim 33 wherein said step of
10 providing a communications network comprises providing a
connection from the computer system to an interactive
cable television network, and wherein a user
communicates with the computer system over the
interactive cable television network to indicate a
15 choice of one or more music selections, and the one or
more music selections are transmitted over the
interactive cable television network to the user.

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ADD B¹
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ADD C¹

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